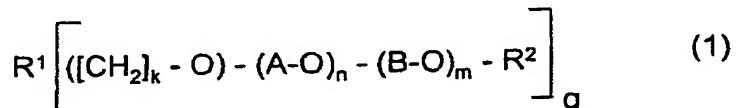


Amendments to the Claims

1. (Currently Amended) ~~The use of compounds~~ A formulating lubricant for refrigerating machines containing carbon dioxide as the refrigerant comprising a base oil of the formula 1



where

R^1 is a radical derived from resorcinol (1,3-dihydroxybenzene) or pyrogallol (1,2,3-trihydroxybenzene),

R^2 is hydrogen, C_1 - to C_{18} -alkyl or C_6 - to C_{18} -aryl

A is an ethylene radical

B is an isopropylene radical

k is zero, 1 or 2

$(n+m)$ is a number from 3 to 20, where n is at least 1, and

q is 2 or 3,

and where, when m and n are both greater than zero, the sequence of ethylene and propylene units is random

~~as a base oil for formulating lubricants for refrigerating machines which contain carbon dioxide as the refrigerant.~~

2. (Currently Amended) ~~The use~~ formulating lubricant as claimed in claim 1, wherein the sum $(m+n)$ of $m+n$ is from 3 to 9.

3. (Currently Amended) ~~The use~~ formulating lubricant as claimed in claim 1 and/or 2, wherein R^2 is an alkyl radical having from 1 to 12 carbon atoms.

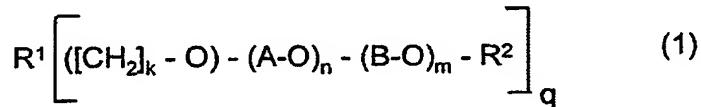
4. (Currently Amended) The use-formulating additive as claimed in ~~one or more of claims 1 to 3~~claim 1, wherein m is zero.

5. (Currently Amended) The use-formulating additive as claimed in ~~one or more of claims 1 to 4~~claim 1, wherein k is zero.

6. (Currently Amended) The use-formulating additive as claimed in ~~one or more of claims 1 to 5~~claim 1, wherein R² is a C₁- to C₁₈-alkyl or C₆- to C₁₈-aryl group.

7. (Currently Amended) A method for operating a refrigerating machine using carbon dioxide as a refrigerating medium, ~~by comprising the step of using a lubricant compound as defined in one or more of claims 1 to 6 as a base oil for lubricants~~claim 1.

8. (New) A lubricant comprising a compound of the formula 1



where

R¹ is an aromatic radical having from 6 to 18 carbon atoms

R² is hydrogen, C₁- to C₁₈-alkyl or C₆- to C₁₈-aryl

A is an ethylene radical

B is an isopropylene radical

k is zero, 1 or 2

(n+m) is a number from 3 to 20, where n is at least 1, and

q is 2, 3 or 4,
and where, when m and n are both greater than zero, the sequence of ethylene and propylene units is random.